REUSABLE CORDED EARPLUGS ITEM 94328

The EPA has selected the NRR as the measure of a hearing protector's noise reducing capabilities. Harbor Freight Tools makes no warranties as to the suitability of the NRR as a measure of actual workplace protection since such protection is highly dependent on user training, motivation, and utilization. A better estimate of workplace protection can be obtained by derating the labeled NRR by 50%.

The NRR calculated from this attenuation data is 25. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult instructions for proper fit.

The level of noise entering a person's ear, when a hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise and the NRR.

ATTENUATION DATA ANSI S3.19-1974

Test Frequencies (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Mean Attenuation (dB)	1.0	10.5	22.8	29.2	36.9	35.4	36.8	34.2	36.1	25
Sandard Deviation (dB)	2.64	1.46	1.72	1.63	2.09	1.81	2.61	1.04	1.24	

Example:
1.) The environmental noise level as measured at the ear is 92 dBA.
2.) The NRR is 25 decibels (dB).
3.) The level of noise entering the ear is approximately equal to 67 dBA.

CAUTION: For noise environments dominated by frequencies below 500 Hz, the C- weighted environmental noise level should be used.

The NRR used in the above example was achieved under laboratory conditions.

Although hearing protectors can be recommended for protection against harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire.

Wear Instructions

1. Place smaller flange in ear canal, push and twist towards the center of the head until the earplug seals snugly.
2. After both earplugs are inserted, place cupped hands over both ears and compare the sound level. With properly fitted earplugs, you should detect little or no difference in sound level. If the one or both plugs are not fitted properly, remove and reinsert the plug(s).
3. Earplugs may work loose during talking or chewing. Re-seat as necessary.
4. Periodically, after use, disinfect the ends of the plugs that go inside the ear with rubbing alcohol. Allow to dry completely before storing.
5. Typical usable life: 1 year. Inspect plugs periodically, and discard if torn, cracked, deteriorated, or otherwise damaged.